

OHIO AGRICULTURAL EXPERIMENT STATION  
Vegetable Crops Substation, Marietta, Ohio

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EARLY CABBAGE VARIETY TRIALS - 1961

Marietta, Ohio  
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Five new varieties, strains of varieties or hybrids of cabbage; Viking Extra Early Golden Acre, Extra Early Golden Acre, Market Topper, Earlihead, and Market Winner were evaluated in the 1961 trials. These were compared in replicated yield trials with five other varieties or strains for their suitability as early fresh market cabbage. The results are given in Table I.

CULTURAL INFORMATION

Seed sowed: February 11, 1961 in sash house ground beds and plants set in field April 11, 1961.

Fertilizer: 800 lbs. of 12-12-12 drilled and disced in prior to planting, plus sidedressing of 100 lbs. of ammonium nitrate on May 18.

Spacing: Rows 36" apart, plants 12" in row, 42 plants per single row plot randomized and replicated six times.

Date of first harvest: June 17, 1961.

SOURCES OF SEED

Code	Source
B <sub>1</sub>	W. Atlee Burpee & Co., Huntington Park at 18th St., Philadelphia 32, Pa.
H <sub>1</sub>	Joseph Harris & Co., Inc., Moreton Farm, Rochester 11, N.Y.
L <sub>2</sub>	Letherman's Seed Co., 501 McKinley Ave. N.W., Canton 2, Ohio.
R <sub>1</sub>	Robson Quality Seeds, Inc., Hall, New York.
S <sub>1</sub>	Stokes Seeds Ltd., Box 10, St. Catherines, Ontario, Canada

GENERAL COMMENTS

Weather was cold and wet early and delayed field setting approximately 10 days, and remained generally cool and wet during growing season. Conditions were favorable for seeding and resulted in some stem elongation and a few pointed heads. General plant uniformity and uniformity of maturity more variable than normal.

Temperatures and rainfall during the growing season were as follows:

	Mean Temp.	Rainfall
April	46.7° F.	5.26"
May	57.6	2.87
June	66.8	5.95

Viking Extra Early Golden Acre - small Golden Acre plant type slightly earlier than some strains.

Extra Early Golden Acre (Golden Acre Special) - Earliest in trials and smaller plant and head size than former Golden Acre Special. Excellent uniformity of plant type and very small plant will stand closer spacing.

Market Topper (C2-A)- Holds well with no cracking. In second early maturity range. Small head size deep blue-green wrapper leaves, very solid.

Earlihead - Supposedly slightly earlier than Viking Extra Early. It sized early but did not become solid possibly because of tendency to seed under local conditions.

Market Winner - In Globe or early Danish season. Good deep blue-green color, very solid heads. Appears to hold well.

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TABLE 1  
CABBAGE VARIETIES  
MARIETTA, OHIO-1961

(6 replications)

Number	Variety and Lot Number		Source	Number of Days to 50% Harvest	Yield per Acre	Average Head Weight	Firm Heads Harvested	Polar Diameter	Equatorial Diameter	Shape Index (Polar/Equatorial)	Shape of Head	Length of Core	Plant Diameter	Height of Stem	General Uniformity(1-5)	Uniformity of Maturity	Solidity (1-5)	Cracked Heads	Remarks
					tons	lbs.	%	in.	in.			in.	in.					%	
8	Earlihead	55	S <sub>1</sub>	65	17.5	2.4	99.5	5.8	5.7	1.02	G-0	3.3	19.8	M	2	3	3	4.3	Tends to seed. Uniformity poor.
1	Viking Extra Early G.A.57		S <sub>1</sub>	65	16.0	2.2	98.4	5.8	5.6	1.04	G	3.5	19.2	S	2	3	3	9.1	Sizes early but not firm, variable plant type.
6	Earliana	6272	B <sub>1</sub>	64	15.9	2.2	99.2	5.7	5.8	0.98	G-0	4.0	19.8	M	4	4	3	16.0	Sl. over-mature at harvest. Cracks easily.
10	Golden Acre YR.	1681	H <sub>1</sub>	66	15.5	2.2	96.9	6.0	5.8	1.03	G-0	4.2	20.9	T	4	4	3	2.0	Tends to seed. Good uniformity.
9	Golden Acre	1-106	L <sub>2</sub>	68	15.2	2.2	95.6	5.8	5.5	1.05	O	3.7	21.3	M	3	3	3	8.0	Sl. immature at harvest.
3	Market Topper (C-24)	1710	H <sub>1</sub>	71	15.1	2.1	98.8	5.3	5.6	0.95	I-G	3.9	24.3	M	4	4	5	0.0	Hollow core. Later than regular G.A.
5	CC Cross Hybrid	980	R <sub>1</sub>	64	14.5	2.1	95.3	5.7	5.3	1.08	O	3.2	18.9	M	4	5	4	14.0	Holds well, few off types. Very solid, deep blue-green.
2	Extra Early (Golden Acre Special)	1753A	H <sub>1</sub>	63	14.2	2.0	98.1	5.3	5.0	1.06	G-0	3.6	17.2	S	4	5	4	6.6	Sl. cracking of wrapper leaves. Good early.
7	Early Marvel	58	S <sub>1</sub>	65	14.1	2.0	98.1	5.4	5.5	0.98	I	3.7	20.6	T	3	4	3	10.0	Exc. uniformity. Will stand closer spacing.
4	Market Winner	1764	H <sub>1</sub>	81	13.7	2.0	92.6	5.5	5.7	0.97	G	3.8	23.4	T	5	4	4	0.0	More variable than normal.
	LSD @ 5% LEVEL				NS														Late. Not fully mature at harvest. Good type.